LG LIGHTING TECHNICAL DATA

LED LAMP MR16

LG Electronics is taking the lead to
create a greener future through eco-friendly
technology and high energy efficiency.

LED LAMP MR16

Line-Up

Model No.	Watts(W)	Dimension(mm)	Light Color(K)	Beam Angle(Degree)
LM04M730B0B.DA0ESE0	4.4	Ø 49.5 x 51.2	3000	36
LM04M730B0B.FA0ESE0	4.4	Ø 49.5 x 51.2	3000	60
LM04M750B0B.DA0ESE0	4.4	Ø 49.5 x 51.2	5000	36
LM04M750B0B.FA0ESE0	4.4	Ø 49.5 x 51.2	5000	60

Technical Specifications

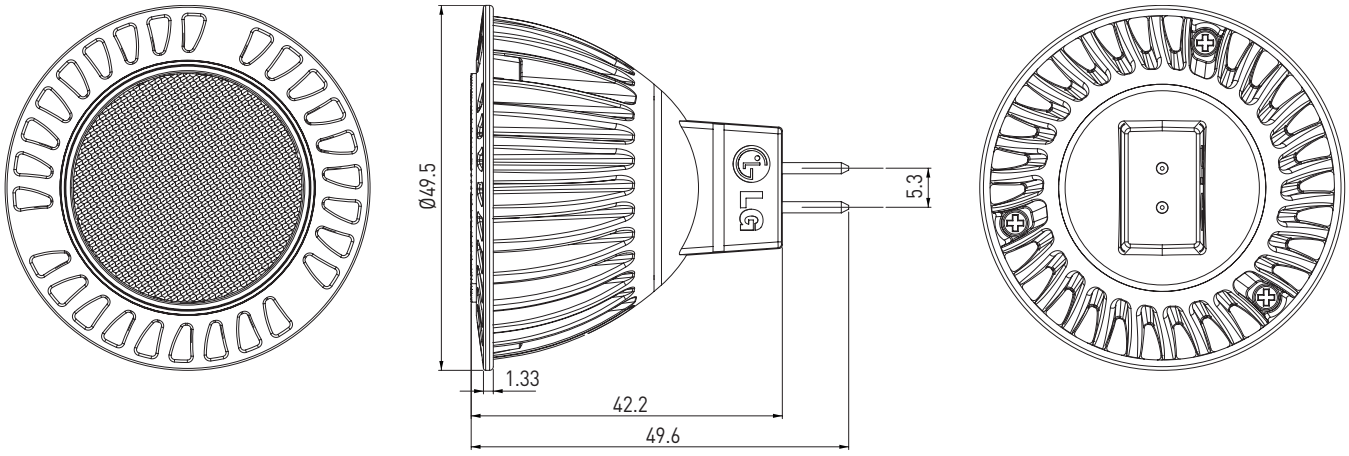
Item	Test Conditions	Min.	Typ.	Max.
Input Voltage (V, rms)	DC	10.8	12	13.2
	AC	10.8	12	13.2
Input Current (mA, rms)	DC 12V	333mA	372mA	409mA
	AC 12V	580mA	645mA	710mA
Input Power (W, rms)	DC 12V	4	4.45	4.9
	AC 12V	3.83	4.26	4.68
Output Voltage (V)	DC 12V / AC 12V	22.7	24	25.1
Output Current (mA)	DC 12V / AC 12V	152	160	168
Output Power (W)	DC 12V / AC 12V	3.45	3.84	4.21

Environmental Requirements

Specifications	Values
Operational Temperature Range	-20 ~ 50 °C
Preservation Temperature Range	-20 ~ 80 °C
Operational Humidity Range	95% Rh or lower
Installation Area	Indoor (Office, Residential, Commercial, etc)

LED LAMP MR16

Drawing

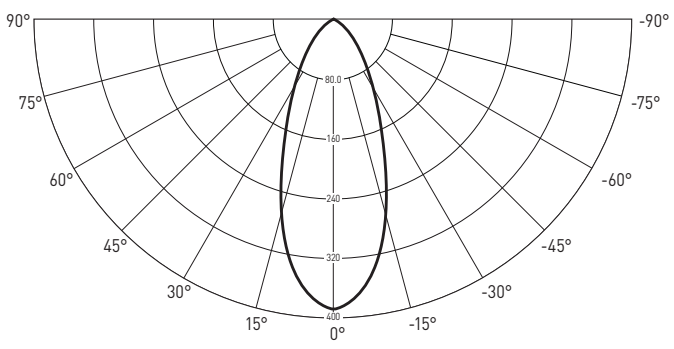


LED LAMP MR16

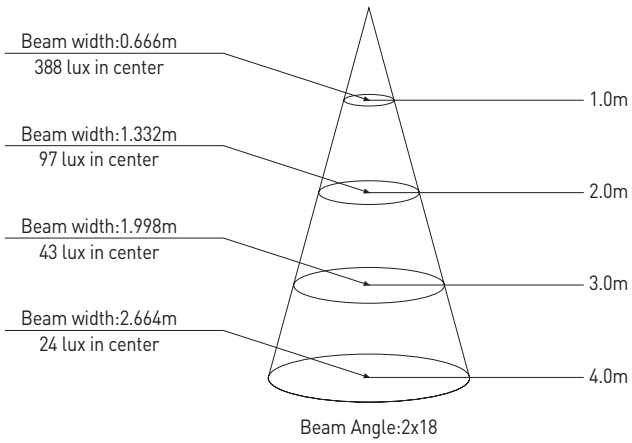
LM04M730B0B.DA0ESE0

Category	Specifications	Unit
Watts	4.4	W
Lumens per Watt (Efficacy)	55	lm/W
Light Output	240	lm
CBCP	420	cd
Light Color (CCT)	3000	K
Beam Angle	36	° (degree)
Color Accuracy (CRI)	Min. 75	Ra
Product Weight	48	g
Rating Life	50,000	h
Base	GU5.3	
Input Voltage (AC/DC)	12	V

Luminance Intensity Distribution



Cone Lux Diagram

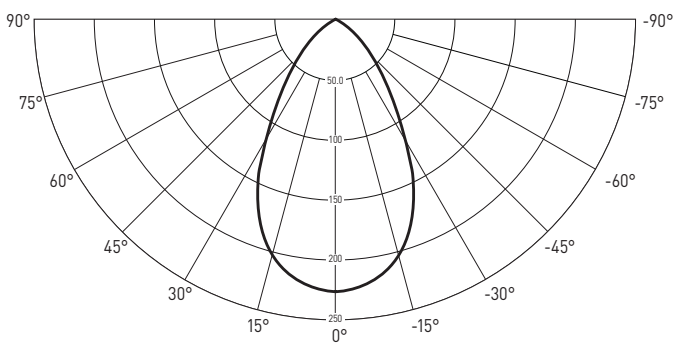


LED LAMP MR16

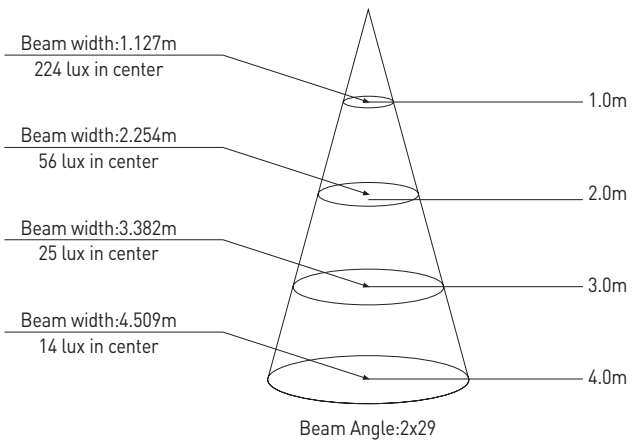
LM04M730B0B.FA0ESE0

Category	Specifications	Unit
Watts	4.4	W
Lumens per Watt (Efficacy)	55	lm/W
Light Output	240	lm
CBCP	224	cd
Light Color (CCT)	3000	K
Beam Angle	60	° (degree)
Color Accuracy (CRI)	Min. 75	Ra
Product Weight	48	g
Rating Life	50,000	h
Base	GU5.3	
Input Voltage (AC/DC)	12	V

Luminance Intensity Distribution



Cone Lux Diagram

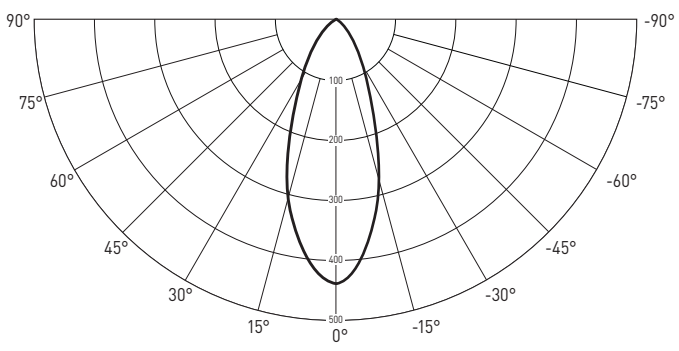


LED LAMP MR16

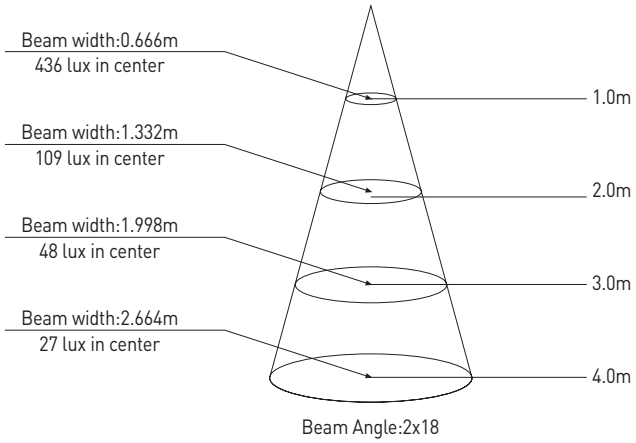
LM04M750B0B.DA0ESE0

Category	Specifications	Unit
Watts	4.4	W
Lumens per Watt (Efficacy)	63	lm/W
Light Output	270	lm
CBCP	473	cd
Light Color (CCT)	5000	K
Beam Angle	36	° (degree)
Color Accuracy (CRI)	Min. 75	Ra
Product Weight	48	g
Rating Life	50,000	h
Base	GU5.3	
Input Voltage (AC/DC)	12	V

Luminance Intensity Distribution



Cone Lux Diagram

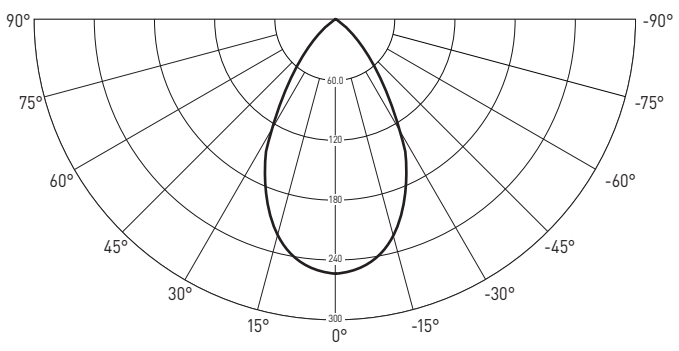


LED LAMP MR16

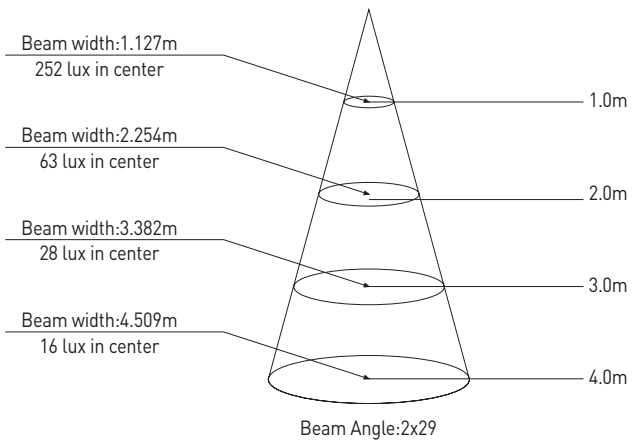
LM04M750B0B.FA0ESE0

Category	Specifications	Unit
Watts	4.4	W
Lumens per Watt (Efficacy)	63	lm/W
Light Output	270	lm
CBCP	253	cd
Light Color (CCT)	5000	K
Beam Angle	60	° (degree)
Color Accuracy (CRI)	Min. 75	Ra
Product Weight	48	g
Rating Life	50,000	h
Base	GU5.3	
Input Voltage (AC/DC)	12	V

Luminance Intensity Distribution



Cone Lux Diagram



LED LAMP MR16

LED MR16 Transformer Compatibility List

Country	Vendor	Model	Voltage/Frequency	Power Rating	Type
USA	HaTCH	RS12-60M	120V/50/60Hz	60W	Electronic Transformer
		RS12-80M	120V/50/60Hz	80W	Electronic Transformer
		VS12-60W	120V/50/60Hz	60W	Electronic Transformer
	WAC Lighting	EN-12100-R-AR	120V/50/60Hz	100W	Electronic Transformer
	Westek	TH50	120V/50/60Hz	50W	Electronic Transformer
	PONY	PET-120-12-75	120V/50Hz	75W	Electronic Transformer
	DAJALI ele.	HD75-120	120V/60Hz	75W	Electronic Transformer
France	TAO	TET-E60I	220-240V/50-60Hz	20~60W	Electronic Transformer
Brazil	UPSAI	CNPJ.02.258.188/0001-06 (Blue)	127V/60Hz	50W	Electronic Transformer
Israel	Eurolux	TR60E	230V/50Hz	60W	Electronic Transformer
	Hyundai	HY-1261	230V/50Hz	20~60W	Electronic Transformer
UAE	OSRAM	ET-A 60	220-240V/50/60Hz	20~60W	Electronic Transformer
Thailand	BEC	MET50	220-230V/50/60Hz	50W	Electronic Transformer
	ELECTRIC	TFE50	220-230V/50/60Hz	50W	Electronic Transformer
Iranian	Chailen	Sh.50	220V	65W	Electronic Transformer
	Alpain	Alpain	230V/50Hz	50W	Electronic Transformer
	Pishraneh	Pishraneh	220V/50/60Hz	50W	Electronic Transformer
	AAPG	AAPG	220V/50/60Hz	50W	Electronic Transformer
	Lucd	ET118A	220V/50/60Hz	50W	Electronic Transformer
	Goidluck	Q50T	220V/50Hz	50W	Electronic Transformer
	FARA	FARA TRANS	245V max	50W	Electronic Transformer
	REG	SET60	220V/50/60Hz	60W	Electronic Transformer
	ALLTOP	ATD3W-0350-120	85-264V/50/60Hz	3W	DC Electronic Transformer
Russia	EAGLERISE	ELP9X1CS	100-240V/50/60Hz	9W	DC Electronic Transformer
Pakistan	TASCHIBRA	TASHCHIBRA	220-240V/50/60Hz	50W	Electronic Transformer
	DYST	DY-003	220-240V/50/60Hz	60W	Electronic Transformer
	AOSHENG	AOSHENG	220-230V/50/60Hz	50W	Electronic Transformer
	Noctyls	Nochtyls	220-240V/50/60H	50W	Electronic Transformer

* The presence of a transformers on this chart is not a guarantee or warranty of the compatibility of the LG products in any particular installation.
The absence of a transformer from this chart does not necessarily imply incompatibility.
The list is provided for user's safety information, not for commercial promotions, and the list of vendors is only a recommendation, not mandatory.
The list is subject to change at anytime without notice. Please take extra care in selection of transformers. Please reference the transformer manufacturer's instructions for further product information.

LED LAMP MR16

User Manual

SAFETY PRECAUTIONS

⚠ WARNING • Violation of warnings may lead to serious injury or death.

⚠ CAUTION • Violation of precautions may lead to minor injury or product damage.

⚠ WARNING

- Do not install near inflammable objects or potential sources of fire, such as paper or cloth.
- Power must be turned off during installation, replacement, and cleaning. Only hold the product body to work (possible cause of electric execution).
- Do not use in places with risk of water inflow or in a high temperature environment. Do not arbitrarily dismantle or modify the product in case of breakdown.
- Make sure the product does not contact the hand or any parts of skin while the light is on or immediately after turning it off since it can be hot.
- Do not touch the product with wet hands.
- Do not directly connect the product to regular power voltage (AC100~240V) for use.
- Do not arbitrarily dismantle, repair, or modify the product.

⚠ CAUTION

- In case of installation or replacement, change the lamp to the rated voltage.
- Do not use the product with lighting equipment with a dimming function.
- It is recommended to use the LED exclusive transformers. When a standard halogen MR16 transformer is used, some of the parts may suffer lowered performance or malfunction.
- Please pay attention to potential damage while handling the product and keep away from moisture.
- Please remove contaminants before use since surface contamination could lower the brightness.
- Do not install the product to fixtures that are completely sealed or almost completely sealed.
- Make sure the power pin is completely inserted into the socket . Never connect to damaged equipment.
- Products that are confirmed to be damaged from distribution process or malfunctioning will be replaced with new products.
- The product can be changed or compensated based on the consumer dispute settlement standards of the Consumer Basic Act.

INSTALLATION METHOD

The basic installation method is the same as that of a standard halogen MR16.

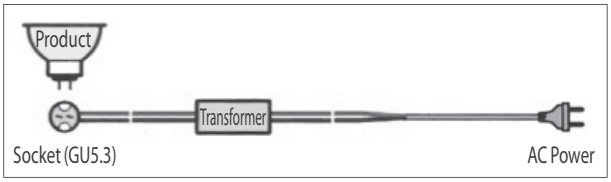
⚠ • Turn off the main power switch of the installation place prior to connection.
• Before installing the product, the lamp that was being used must be turned off. Replace it once it has sufficiently cooled.

1 Check to see if the socket at the installation location is of the GU5.3 standard.

2 Use with transformers made exclusively for LEDs. (make sure that the voltage and power consumption of the transformer is suitable for LED MR16.)

⚠ CAUTION

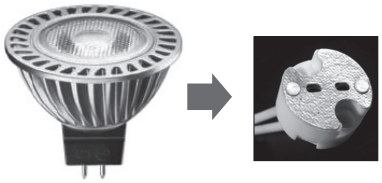
LG Electronics strongly recommend to use only LED transformers (Go to **www.lg.com** for details and recommended transformer list.) LG Electronics is not responsible for any damage caused by use of existing halogen transformers.



3 Perpendicularly Insert the product into the socket, and make sure that the plug is fully inserted so that the power pin is not visible.

⚠ CAUTION

Be cautious since the socket or product may be damaged if excessive force is applied in handling the product, particularly while plugging in and out.



4 Turn the power switch on to see if the product is functioning correctly.

P/No : MFL67200001 (REV01)